



BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of Work: Package No.02 (Package consists of 14 works).

Name of the Agency: Benaka Developers & Project Pvt. Ltd.

MODIFIED SCHEDULE-B

BRUHATH BANGALORE MAHANAGARA PALIKE

Bytarayanapura Division

Agreement No. EE/BTP/BBMP/E-PMT19/2017-18 dated 01-02-2018
 Package No.02 (Package consists of 14 works).

MODIFIED SCHEDULE-B

Item No	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
1	KSRRB M300-1: Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWD SR 2016-17)	Cum	6651.86	217.12	Rupees Two Hundred Seventeen and Paise Twelve Only	
2	KSRRB M200-15.2: Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone masonry in cement mortar (P.No.137, I.No.18.27 of PW,P&IWD SR 2016-17)	Cum	0.00	406.89	Rupees Four Hundred Six and Paise Eighty Nine Only	
3	KSRRB M200-14.2: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202 (P.No.137, I.No.18.23 of PW,P&IWD SR 2016-17)	Cum	0.00	401.67	Rupees Four Hundred One and Paise Sixty Seven Only	
4	KSRRB M200-12.2: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No.137, I.No.18.18 of PW,P&IWD SR 2016-17)	Cum	0.00	549.11	Rupees Five Hundred Forty Nine and Paise Eleven Only	
5	Removing and Resetting of Footpath Slab (P.No.265, I.No.37.56 of PW, P&IWD SR 2016-17)	Sqm	4099.48			
	Upto 125%		4099.48	141.78	Rupees One Hundred Forty One and Paise Seventy Eight Only	
6	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWD SR 2016-17)	Sqm	7241.47	86.20	Rupees Eighty Six and Paise Twenty Only	
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWD SR 2016-17)	Sqm	6135.12	712.28	Rupees Seven Hundred Twelve and Paise Twenty Eight Only	
8	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWD SR 2016-17)	Sqm	0.00	883.54	Rupees Eight Hundred Eighty Three and Paise Fifty Four Only	
9	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. specification. No. KBS(P.No.6, I.No.2.15 of PW,P&IWD S.R 2016-17)	Cum	0.00	2442.94	Rupees Two Thousand Four Hundred Forty Two and Paise Ninety Four Only	
10	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWD S.R 2016-17)	Cum	104.93	5723.17	Rupees Five Thousand Seven Hundred Twenty Three and Paise Seventeen Only	
11	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWD SR 2016-17)	Sqm	24.00	262.00	Rupees Two Hundred Sixty Two Only	
12	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWD SR 2016-17)	Sqm	172.80	332.32	Rupees Three Hundred Thirty Two and Paise Thirty Two Only	

Item No.	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks	
				In Figure	In Words		
13	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabrication charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)	Cum	38.40	6667.96	Rupees Six Thousand Six Hundred Sixty Seven and Paise Ninety Six Only		
14	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebres wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3: (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)	MT	1.90	68740.46	Rupees Sixty Eight Thousand Seven Hundred Forty and Paise Forty Six Only		
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 conforming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.12, I.No.5.27.2 of PW,P&IWTD S.R 2016-17)	Sqm	219.80	942.52	Rupees Nine Hundred Forty Two and Paise Fifty Two Only		
16	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.143, I.No.5.6 of PW,P&IWTD S.R 2016-17)	Cum	73.38	4748.90	Rupees Four Thousand Seven Hundred Forty Eight and Paise Ninety Only		
17	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.112, I.No.15.1 of PW, P&IWTD S.R 2016-17)	Sqm	128.35	110.02	Rupees One Hundred Ten and Paise Two Only		
18	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggretes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and eills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	34.61	6171.18	Rupees Six Thousand One Hundred Seventy One and Paise Eighteen Only		
19	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2016-17)	Sqm	1136.00	1230.61	Rupees One Thousand Two Hundred Thirty and Paise Sixty One Only		
20	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1584.03	1859.66	Rupees One Thousand Eight Hundred Fifty Nine and Paise Sixty Six Only		
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	183.18	5297.57	Rupees Five Thousand Two Hundred Ninety Seven and Paise Fifty Seven Only		
22	KSRRB M300-14, Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)	Cum	11944.00				
		Upto 125%	Cum	8010.25	176.29	Rupees One Hundred Seventy Six and Paise Twenty Nine Only	
		Aboe 125%	Cum	3933.76	176.29	Rupees One Hundred Seventy Six and Paise Twenty Nine Only	

Item N	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
23	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (P.No.147, I.No.19.60 of PW,P&IWD S.R 2016-17)	Cum	0.00	342.53	Rupees Three Hundred Forty Two and Paise Fifty Three Only	
24	KSRRB M400-6.2: Construction of granular sub-base by providing Close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with mortar grader on prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications. A Plant Mix method For Grading II Material (P.No.155, I.No.20.4.2 of PW,P&IWD SR 2016-17)	Cum	278.17	1781.83	Rupees One Thousand Seven Hundred Eighty One and Paise Eighty Three Only	
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density,complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWD SR 2016-17)	Cum	9001.31			
	Upto 125%	Cum	6628.07	1891.85	Rupees One Thousand Eight Hundred Ninety One and Paise Eighty Five Only	
	Above 125%	Cum	2373.24	1891.85	Rupees One Thousand Eight Hundred Ninety One and Paise Eighty Five Only	
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWD SR 2016-17)	Sqm	35626.94			
	Upto 125%	Sqm	27938.08	29.49	Rupees Twenty Nine and Paise Forty Nine Only	
	Above 125%	Sqm	7688.86	29.49	Rupees Twenty Nine and Paise Forty Nine Only	
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWD SR 2016-17)	Sqm	90552.09	3.40	Rupees Three and Paise Forty Only	
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWD SR of 2016-17)	Sqm	142641.59			
	Upto 125%	Sqm	142641.59	13.61	Rupees Thirteen and Paise Sixty One Only	
29	KSRRB M500-16, Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.162 I.No. 21.17.6 of PW,P&IWD S.R 2016-17)	Cum	766.00			
	Upto 125%	Cum	703.40	7618.42	Rupees Seven Thousand Six Hundred Eighteen and Paise Forty Two Only	
	Above 125%	Cum	62.60	7618.42	Rupees Seven Thousand Six Hundred Eighteen and Paise Forty Two Only	

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30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTDR S.R 2016-17)	Cum	5153.59			
	Upto 125%	Cum	5153.59	8686.84	Rupees Eight Thousand Six Hundred Eighty Six and Paise Eighty Four Only	
31	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregates , with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. + M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTDR S.R 2016-17)	Cum	86.25	6653.22		Rupees Six Thousand Six Hundred Fifty Three and Paise Twenty Two Only
32	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTDR S.R 2016-17)	Sqm	575.00	102.08		Rupees One Hundred Two and Paise Eight Only
33	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTDR S.R 2016-17)	No.	586.00	355.00		Rupees Three Hundred Fifty Five Only
34	Removing and resetting of kerb stones(P.No.185, I.No.37.57 of PW,P&IWTDR S.R 2016-17)	m	1368.70	70.32		Rupees Seventy and Paise Thirty Two Only
35	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.182, I.No. 24.1 of PW,P&IWTDR S.R 2016-17)	Sqm	323.00	68.05		Rupees Sixty Eight and Paise Five Only
36	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTDR S.R 2016-17)	Sqm	1987.93	580.71		Rupees Five Hundred Eighty and Paise Seventy One Only
37	KSRRB M2100-1.1. Earth work in excavation for foundation of structures such as culverts, bridges etc., as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications I. Ordinary soil - A. Manual Means (i) Depth upto 3m MORTH Specification No. 304 including disposal of excavated earth upto a distance of 10km including loading and unloading charges(P.No.209, I.No.27.1 of PW,P&IWTDR S.R 2016-17))	Cum	0.00	266.26		Rupees Two Hundred Sixty Six and Paise Twenty Six Only
38	KSRRB M2100-13. Plain / Reinforced Cement Concrete M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum in Open Foundation complete as per Drawing and Technical Specifications MORTH Specification No. 1500,1700 & 2100.(P.No.211, I.No.27.24 of PW,P&IWTDR S.R 2016-17)	Cum	0.00	6784.53		Rupees Six Thousand Seven Hundred Eighty Four and Paise Fifty Three Only
39	Diversion of water course by providing Cofferdams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete.(1.50 mtrs depth below L.W.L.) (P.No.257, I.No.37.41.1 of PW,P&IWTDR S.R 2016-17)	Cum	0.00	309.70		Rupees Three Hundred Nine and Paise Seventy Only

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				In Figure	In Words	
40	Diversion of water course by providing Coffor dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete (beyond 1.50 mtrs depth upto & including 3m (P.No.257, I.No.37.41.2 of PW,P&IWD S.R 2016-17)	Cum	0.00	381.35	Rupees Three Hundred Eighty One and Paise Thirty Five Only	
41	KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC.SP.55-2001 complete as per specifications.(P.No.186, Item no 24.44 of PW,P&IWD S.R 2016-17))	Each	0.00	2741.08	Rupees Two Thousand Seven Hundred Forty One and Paise Eight Only	
42	KSRRB M2100-20.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, case II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100(P.No.213, I.No.27.37 of PW,P&IWD S.R 2016-17)	Cum	0.00	7454.78	Rupees Seven Thousand Four Hundred Fifty Four and Paise Seventy Eight Only	
43	KSRRB M2200-5.19. Design mix M35 with OPC cement @ 390kgs,with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - ii) For height, upto 5m,(P.No.214, I.No.28.7.18 of PW,P&IWD S.R S.R 2016-17)	Cum	0.00	8397.75	Rupees Eight Thousand Three Hundred Ninety Seven and Paise Seventy Five Only	
44	KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700-Height upto 5 m(P.No.226 , I.No.29.16.1 of PW,P&IWD S.R S.R 2016-17)	Cum	0.00	8048.75	Rupees Eight Thousand Forty Eight and Paise Seventy Five Only	
45	KSRRB M2200 -6 Supplying , fitting and placingTMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification . MORTH Specification No.1600 & 2200(P.No.218 , I.No.28.8.3 of PW,P&IWD S.R 2016-17)	Tonne	0.00	73266.20	Rupees Seventy Three Thousand Two Hundred Sixty Six and Paise Twenty Only	
46	KSRRB M2300 -14. supplying , fitting and placing TMT bar Fe 550 reinforcement in super-structure complete as per as per drawing & technical specification complete as per the specification . MORTH Specification No.1600.(P.No.231 , I.No.29.29.3 of PW,P&IWD S.R 2016-17))	Tonne	0.00	74471.49	Rupees Seventy Four Thousand Four Hundred Seventy One and Paise Forty Nine Only	
47	KSSRB M220 - 8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing face. Complete as per drawing and Technical specifications complete as per specifications. MORTH Specification No. 2706 & 2200 (P.No.218, I.No.28.10 of PW,P&IWD S.R 2016-17))	No./Mtr	0.00	194.14	Rupees One Hundred Ninety Four and Paise Fourteen Only	
48	KSRRB M2700-4. Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification complete as per specifications MORTH Specification No. 2703.2, 1900(P.No.239, I.No.32.4 of PW,P&IWD S.R 2016-17))	m	0.00	3359.33	Rupees Three Thousand Three Hundred Fifty Nine and Paise Thirty Three Only	
49	KSRRB M2700-5. Drainage Spouts complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 2705(P.No.239, I.No.32.5 of PW,P&IWD S.R 2016-17))	No	0.00	1900.96	Rupees One Thousand Nine Hundred and Paise Ninety Six Only	
50	KSRRB M2300-16. Providing and laying Cement concrete wearing coat with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including reinforcement complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No. 2702(P.No.239, I.No.32.8 of PW,P&IWD S.R 2016-17))	Cum	0.00	11877.26	Rupees Eleven Thousand Eight Hundred Seventy Seven and Paise Twenty Six Only	
51	KSRRB 2200-9 Filter Media Providing & laying of Filter media With Granular meterails / Stone crushed aggregates satisfying the requirement laid down in clause 2500.4.2.2 of MORTH Specification to a thickness on not less than 600 mm width smaller size towards the soil & bigger size towards wall & provided over the entire surface behind Abutment, Wing wall & return wall to the full height compacted to a firm condition complete as per Drawing & Technical Specifications. Complete as per specification MORTH Specification No. 710.14of IRC: 78& 2200(P.No.218, I.No.28.13 of PW,P&IWD 2016-17))	Cum	0.00	1497.66	Rupees One Thousand Four Hundred Ninety Seven and Paise Sixty Six Only	

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				In Figure	In Words	
40	Diversion of water course by providing Coffor dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete (beyond 1.50 mtrs depth upto & including 3m) (P.No.257, I.No.37.41.2 of PW,P&IWD S.R 2016-17)	Cum	0.00	381.35	Rupees Three Hundred Eighty One and Paise Thirty Five Only	
41	KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC-SP-55-2001 complete as per specifications.(P.No.186, Item no 24.44 of PW,P&IWD S.R 2016-17))	Each	0.00	2741.08	Rupees Two Thousand Seven Hundred Forty One and Paise Eight Only	
42	KSRRB M2100-20.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, case II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100(P.No.213, I.No.27.37 of PW,P&IWD S.R 2016-17)	Cum	0.00	7454.78	Rupees Seven Thousand Four Hundred Fifty Four and Paise Seventy Eight Only	
43	KSRRB M2200-5.19. Design mix M35 with OPC cement @ 390kgs,with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - ii) For height, upto 5m,(P.No.214, I.No.28.7.18 of PW,P&IWD S.R S.R 2016-17)	Cum	0.00	8397.75	Rupees Eight Thousand Three Hundred Ninety Seven and Paise Seventy Five Only	
44	KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700-Height upto 5 m(P.No.226, I.No.29.16.1 of PW,P&IWD S.R S.R 2016-17)	Cum	0.00	8048.75	Rupees Eight Thousand Forty Eight and Paise Seventy Five Only	
45	KSRRB M2200 -6 Supplying , fitting and placing TMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification . MORTH Specification No.1600 & 2200(P.No.218, I.No.28.8.3 of PW,P&IWD S.R 2016-17)	Tonne	0.00	73266.20	Rupees Seventy Three Thousand Two Hundred Sixty Six and Paise Twenty Only	
46	KSRRB M2300 -14. supplying , fitting and placing TMT bar Fe 550 reinforcement in super-structure complete as per as per drawing & technical specification complete as per the specification . MORTH Specification No.1600(P.No.231, I.No.29.29.3 of PW,P&IWD S.R 2016-17))	Tonne	0.00	74471.49	Rupees Seventy Four Thousand Four Hundred Seventy One and Paise Forty Nine Only	
47	KSSRB M220 - 8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing face. Complete as per drawing and Technical specifications complete as per specifications. MORTH Specification No. 2706 & 2200 (P.No.218, I.No.28.10 of PW,P&IWD S.R 2016-17))	No./Mtr	0.00	194.14	Rupees One Hundred Ninety Four and Paise Fourteen Only	
48	KSRRB M2700-4. Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification complete as per specifications MORTH Specification No. 2703.2, 1900(P.No.239, I.No.32.4 of PW,P&IWD S.R 2016-17))	m	0.00	3359.33	Rupees Three Thousand Three Hundred Fifty Nine and Paise Thirty Three Only	
49	KSRRB M2700-5. Drainage Spouts complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 2705(P.No.239, I.No.32.5 of PW,P&IWD S.R 2016-17))	No	0.00	1900.96	Rupees One Thousand Nine Hundred and Paise Ninety Six Only	
50	KSRRB M2300-16. Providing and laying Cement concrete wearing coat with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including reinforcement complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No. 2702(P.No.239, I.No.32.8 of PW,P&IWD S.R 2016-17))	Cum	0.00	11877.26	Rupees Eleven Thousand Eight Hundred Seventy Seven and Paise Twenty Six Only	
51	KSRRB 2200-9 Filter Media Providing & laying of Filter media With Granular materials / Stone crushed aggregates satisfying the requirement laid down in clause 2500.4.2.2 of MORTH Specification to a thickness on not less than 600 mm width smaller size towards the soil & bigger size towards wall & provided over the entire surface behind Abutment, Wing wall & return wall to the full height compacted to a firm condition complete as per Drawing & Technical Specifications. Complete as per specification MORTH Specification No. 710.14 of IRC: 78& 2200(P.No.218, I.No.28.13 of PW,P&IWD 2016-17))	Cum	0.00	1497.66	Rupees One Thousand Four Hundred Ninety Seven and Paise Sixty Six Only	

Item No	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
52	KSRRB 2200-8.1 Back filling behind Abutment, Wing wall & return wall to the full height compacted to a firm condition complete as per Drawing & Technical Specifications. Complete as per specification A. Granular Material MORTH Specification No. 710.14 of IRC: 78 & 2200 With all Leads & Lift etc & as per the direction of the Engineer Incharge of the Work. (P.No.218, L.No.28.11 of PW,P&IWD S.R 2016-17))	Cum	0.00	605.53	Rupees Six Hundred Five and Paise Fifty Three Only	
53	KSRRB M2500-11. Construction of flexible apron 1 m thick comprising of loose stone boulders weighing not less than 40 kg beyond curtain wall complete as per specifications MORTH Specification No. 2507.2(P.No.241, L.No.30.14 of PW,P&IWD S.R 2016-17))	Cum	0.00	1667.53	Rupees One Thousand Six Hundred Sixty Seven and Paise Fifty Three Only	
54	KSRRB 2500 - 5.1 Providing & laying , flooring complete as per and technical specifications laid over cement concrete bedding complete as per specification. A. Rubble Stone laid in CM 1:3 MORTH Specification No. 2505(P.No.240, Item no 30.7 of PW,P&IWD S.R 2016-17))	Cum	0.00	5270.69	Rupees Five Thousand Two Hundred Seventy and Paise Sixty Nine Only	
55	KSRRB M2500-10.Curtain wall complete as per drawing and Technical Specifications. B. Cement Concrete Grade M-15 MORTH Specification No. 2507.2(P.No.241, Item no 30.13 of PW,P&IWD S.R 2016-17))	Cum	0.00	6024.14	Rupees Six Thousand Twenty Four and Paise Fourteen Only	
56	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction (P.48, I. 9.4) PRED.SR 2012-13	Each BW	2.00	2013.74	Rupees Two Thousand Thirteen and Paise Seventy Four Only	
57	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 - 0 to 50m	Rmtr	100.00	327.42	Rupees Three Hundred Twenty Seven and Paise Forty Two Only	
58	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 - 50 to 100m	Rmtr	100.00	428.00	Rupees Four Hundred Twenty Eight Only	
59	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 - 100 to 150m	Rmtr	100.00	476.15	Rupees Four Hundred Seventy Six and Paise Fifteen Only	
60	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 - 150 to 200m	Rmtr	50.00	502.90	Rupees Five Hundred Two and Paise Ninety Only	
61	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 - 200 to 250m	Rmtr	36.00	582.08	Rupees Five Hundred Eighty Two and Paise Eight Only	

Item N	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
62	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and duties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13	Rmtr	50.50	1417.75	Rupees One Thousand Four Hundred Seventeen and Paise Seventy Five Only	
63	Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate	Rmtr	36.00	807.28	Rupees Eight Hundred Seven and Paise Twenty Eight Only	
64	Providing and fixing 160mm Borewell Cap P. iii, I No. 85	Rmtr	2.00	107.00	Rupees One Hundred Seven Only	
65	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia. bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH, 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete. The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA<SUGNA<CRL, KIRLOSKAR and other Equivalent Pumps PWD SR 2016-17 P. XXXXII Item No. 24 including of all taxes-12.5 HP 25 Stage	No	2.00	64628.00	Rupees Sixty Four Thousand Six Hundred Twenty Eight Only	
66	Supplying of ISI marked galvanized mild steel tube (continuously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaded at one end and the other end protected as per specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendment 1-5 and with all its latest amendments if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	Rmtr	500.00	401.25	Rupees Four Hundred One and Paise Twenty Five Only	
67	Heavy Duty Collar 50 mm dia	No	88.00	139.10	Rupees One Hundred Thirty Nine and Paise Ten Only	
68	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqmm KPWD Electrical SR 2014-15	Mtr	1000.00	201.91	Rupees Two Hundred One and Paise Ninety One Only	
69	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves gauges etc., involved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09)	Nos	2.00	3210.00	Rupees Three Thousand Two Hundred Ten Only	
70	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15	Each	2.00	323.14	Rupees Three Hundred Twenty Three and Paise Fourteen Only	
71	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sqmm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15	Mtr	60.00	150.23	Rupees One Hundred Fifty and Paise Twenty Three Only	
72	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct, P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	Mtr	60.00	11.56	Rupees Eleven and Paise Fifty Six Only	
73	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I No. 7.9.3 KPWD Electrical SR 2014-15	Mtr	50.00	90.95	Rupees Ninety and Paise Ninety Five Only	
74	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15 - 40mm dia GI pipe	Mtr	8.00	369.15	Rupees Three Hundred Sixty Nine and Paise Fifteen Only	

Item No.	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
75	Supplying and fixing L.T. cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15 - 16Sqmm	No.	2.00	299.60	Rupees Two Hundred Ninety Nine and Paise Sixty Only	
76	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15	No.	2.00	2917.89	Rupees Two Thousand Nine Hundred Seventeen and Paise Eighty Nine Only	
77	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. P. No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15 - 32 Amps	No.	12.00	192.60	Rupees One Hundred Ninety Two and Paise Sixty Only	
78	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 93 Item No. 13.55 / PWD SR 2016-17	No.	2.00	1728.78	Rupees One Thousand Seven Hundred Twenty Eight and Paise Seventy Eight Only	
79	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 95 / I. No. 13.81.3 PWD SR 2016-7	No.	2.00	248.45	Rupees Two Hundred Forty Eight and Paise Forty Five Only	
80	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No.	8.00	85.60	Rupees Eighty Five and Paise Sixty Only	
81	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No.	2.00	374.50	Rupees Three Hundred Seventy Four and Paise Fifty Only	
82	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898. 5-32Amps TPN P. No. 47 / I.No.6.16.5 KPWD SR 2014-15	No.	2.00	1655.29	Rupees One Thousand Six Hundred Fifty Five and Paise Twenty Nine Only	
83	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15 - 16SWG	No.	43800.00	0.35	Rupees and Paise Thirty Five Only	
84	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate	No.	2.00	11770.00	Rupees Eleven Thousand Seven Hundred Seventy Only	
85	Earthwork excavation for pipeline trenches including deposing or bank up to a lead of 50 mtrs including shirry and statting danger lighting and using site rails and boring poles at every 100 mtrs wherever necessary as directed in th following structure manhole. Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil	Cum	54.00	201.16	Rupees Two Hundred One and Paise Sixteen Only	
86	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalable from the excavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13. - 75 mm dia 6 KSC PVC pipe	Rmtr	120.00	167.99	Rupees One Hundred Sixty Seven and Paise Ninety Nine Only	
87	Refilling the basement and pipeline trenches with seclated available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs Page No. 3 / Item No. 1.6 / PRED SR 2012-13	Cum	54.00	65.27	Rupees Sixty Five and Paise Twenty Seven Only	

BRUHATH BANGALORE MAHANAGARA PALIKE

Bytarayanapura Division

Agreement No. EE/BTP/BBMP/E-PMT19/2017-18 dated 01-02-2018
 Package No.02 (Package consists of 14 works).

MODIFIED SCHEDULE-B

Item No	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
1	KSRRB M300-1: Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWD SR 2016-17)	Cum	6651.86	217.12	Rupees Two Hundred Seventeen and Paise Twelve Only	
2	KSRRB M200-15.2: Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone masonry in cement mortar (P.No.137, I.No.18.27 of PW,P&IWD SR 2016-17)	Cum	0.00	406.89	Rupees Four Hundred Six and Paise Eighty Nine Only	
3	KSRRB M200-14.2: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202 (P.No.137, I.No.18.23 of PW,P&IWD SR 2016-17)	Cum	0.00	401.67	Rupees Four Hundred One and Paise Sixty Seven Only	
4	KSRRB M200-12.2: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No.137, I.No.18.18 of PW,P&IWD SR 2016-17)	Cum	0.00	549.11	Rupees Five Hundred Forty Nine and Paise Eleven Only	
5	Removing and Resetting of Footpath Slab (P.No.265, I.No.37.56 of PW, P&IWD SR 2016-17)	Sqm	4099.48			
	Upto 125%		4099.48	141.78	Rupees One Hundred Forty One and Paise Seventy Eight Only	
6	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWD SR 2016-17)	Sqm	7241.47	86.20	Rupees Eighty Six and Paise Twenty Only	
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWD SR 2016-17)	Sqm	6135.12	712.28	Rupees Seven Hundred Twelve and Paise Twenty Eight Only	
8	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWD SR 2016-17)	Sqm	0.00	883.54	Rupees Eight Hundred Eighty Three and Paise Fifty Four Only	
9	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. specification. No. KBS(P.No.6, I.No.2.15 of PW,P&IWD S.R 2016-17)	Cum	0.00	2442.94	Rupees Two Thousand Four Hundred Forty Two and Paise Ninety Four Only	
10	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWD S.R 2016-17)	Cum	104.93	5723.17	Rupees Five Thousand Seven Hundred Twenty Three and Paise Seventeen Only	
11	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWD SR 2016-17)	Sqm	24.00	262.00	Rupees Two Hundred Sixty Two Only	
12	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWD SR 2016-17)	Sqm	172.80	332.32	Rupees Three Hundred Thirty Two and Paise Thirty Two Only	

	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
98	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2016-17	Sqm	56.84	338.59	Rupees Three Hundred Thirty Eight and Paise Fifty Nine Only	
99	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajias, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16 / Item No. 4.37 / PWD SR 2016-17	Sqm	2.70	312.01	Rupees Three Hundred Twelve and Paise One Only	
100	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.21 / PWD SR -2016-17	Sqm	16.50	223.03	Rupees Two Hundred Twenty Three and Paise Three Only	
101	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.19 / PWD SR 2016-17 (Inside wall)	Sqm	41.16	270.41	Rupees Two Hundred Seventy and Paise Forty One Only	
102	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P. 115 / I. 15.33 PWD SR - 2016-17).	Sqm	57.66	28.89	Rupees Twenty Eight and Paise Eighty Nine Only	
103	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 114 / Item No. 15.17 / PWD SR 2016-17 (Out side Wall)	Sqm	62.52	228.81	Rupees Two Hundred Twenty Eight and Paise Eighty One Only	
104	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications PWD SR 2016-17 (P.117 / I. 15.49.1)	Sqm	80.16	82.05	Rupees Eighty Two and Paise Five Only	
105	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications PWD SR 2016-17 (P. 118 / I. 15.53.2) with Primer	Sqm	62.52	97.07	Rupees Ninety Seven and Paise Seven Only	
106	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 121 / Item No. 15.74 / PWD SR 2016-17	Sqm	19.44	94.76	Rupees Ninety Four and Paise Seventy Six Only	
107	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 600x600x10mm thick fixed on existing flooring with special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 107 / Item No. 14.43 / PWD SR 2016-17	Sqm	39.14	1375.16	Rupees One Thousand Three Hundred Seventy Five and Paise Sixteen Only	
108	Providing and laying/fixing cement base, precast pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring reads of steps of steps and landin, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of material,s including cutting, griding the edge ti half/ful round wherever requires labour, curing complete as per specification Page No. 109 / Item No. 14.62 / PWD SR 2016-17	Sqm	0.00	1253.83	Rupees One Thousand Two Hundred Fifty Three and Paise Eighty Three Only	
109	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size, all steel section should confirm to I.S. 7452:1990, 4nos, of holdfasts of approved size section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification NO. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12. Page No. 32 / Item No. 7.7/ PWD SR 2015-16	Sqm	1.44	4079.27	Rupees Four Thousand Seventy Nine and Paise Twenty Seven Only	

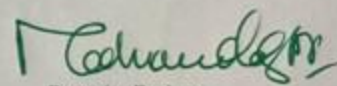
Item No.	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
88	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / 1.13.37 PWD SR - 2016-17	Each	4.00	2371.29	Rupees Two Thousand Three Hundred Seventy One and Paise Twenty Nine Only	
89	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, Page No. 5 / Item No. 2.3/ PWD SR 2016-17	Cum	18.91	218.41	Rupees Two Hundred Eighteen and Paise Forty One Only	
90	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. No. 12/ Item No. 4.3/ PWD SR 2016-17	Cum	3.10	5624.31	Rupees Five Thousand Six Hundred Twenty Four and Paise Thirty One Only	
91	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6 / PWD SR 2016-17	Cum	7.47	4838.50	Rupees Four Thousand Eight Hundred Thirty Eight and Paise Fifty Only	
92	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 23 / Item No. 5.9 / PWD SR 2015-16	Cum	3.31	5783.78	Rupees Five Thousand Seven Hundred Eighty Three and Paise Seventy Eight Only	
93	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (P.6/1.2.10) PWD SR 2016-17	Cum	12.97	146.76	Rupees One Hundred Forty Six and Paise Seventy Six Only	
94	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 conforming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4, Page No. 25 / Item No. 5.27 / PWD SR 2016-17	Sqm	47.89	1082.80	Rupees One Thousand Eighty Two and Paise Eighty Only	
95	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or facing courses, parapets, coping, bed blocks, anchor blocks, plain window eills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6. No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum	8.67	6946.31	Rupees Six Thousand Nine Hundred Forty Six and Paise Thirty One Only	
96	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 14 / Item No. 4.19 / PWD SR 2016-17	Sqm	0.03	526.95	Rupees Five Hundred Twenty Six and Paise Ninety Five Only	
97	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17 - FE 500	MT	0.74	80337.31	Rupees Eighty Thousand Three Hundred Thirty Seven and Paise Thirty One Only	

Item No.	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
124	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (Page No. 55, Item No. 7.1) KPWD SR 2014-15	No	1.00	2917.89	Rupees Two Thousand Nine Hundred Seventeen and Paise Eighty Nine Only	
125	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor > 0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency > 130lm/w at 1W & Fixture Efficiency > 80lm/w with nominal CRI > 75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part 1 & Part II LED Streetlight 65watts	Each	117.00	20030.40	Rupees Twenty Thousand Thirty and Paise Forty Only	
126	Supplying and Fixing of mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I pipe	Each	182.00	955.51	Rupees Nine Hundred Fifty Five and Paise Fifty One Only	
127	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or concealed system of wiring. a) 4 sqmm.	Each	600.00	8.03	Rupees Eight and Paise Three Only	
128	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) conforming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 25 sqmm	Per Mtr	200.00	177.19	Rupees One Hundred Seventy Seven and Paise Nineteen Only	
129	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 25 sqmm to 75 sqmm	Per Mtr	200.00	37.24	Rupees Thirty Seven and Paise Twenty Four Only	
130	Thyristor based single/ Three phase smart street light control and monitoring system Remotely control and monitorable smart street light system by using web or mobile application. smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1. Remote lighting management. 2. Precise lighting turnoff. 3. Load ballancing. 4. Load power regulation. 5. Status tracking. It works on the basis of some of these features. 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwidth RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly. 6) Metal Enclosure : IP66 weather proof metal enclosure. 7) Transformers: Customized step down transformers for various purposes. 8) Wiring and other device assembly components.	Each	30.00	55105.00	Rupees Fifty Five Thousand One Hundred Five Only	
131	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 25 sqmm Long Barrel	Each	72.00	22.03	Rupees Twenty Two and Paise Three Only	

Item No.	Description of Item	Unit	BOQ Quantity	Approved Tender Rates By D Narahari		Remarks
				In Figure	In Words	
	Extra Items					
E1	KSRRB 300-6. Excavation in soft rock / ordinary rock without blasting for formation of roads including stacking neatly, to uniform line and level within initial lead upto 15m. including cost of all labour, equipments, complete as per specifications. (Pg.No. 143, I.No.19.6 of PW, P&I WTD SR 2018 - 19)	cum	169.71	1541.89	Rupees One Thousand Five Hundred Forty One and Paise Eighty Nine Only	
E2	Providing and laying reinforced cement concrete pipe NP3 of 450mm dia for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour curing complete as per specifications. Specification No.KSRB 1000, 2300 MOST Specification No. 1000 / 2300 (Pg.No. 255, I.No. 34.6.5 of PW, P&I WTD SR 2018 - 19)	Rmtr	570.90	3281.20	Rupees Three Thousand Two Hundred Eighty One and Paise Twenty Only	
E3	KSRRB 2.6: Providing and filling Stone Dust in trenches to required depth including watering ramming with all leads and lift. complete as per specification and as directed by Engineer-in-charge (P.No.7, I.No.2.13 of PW, P&I WTD SR 2018-19)	Cum	339.42	1578.81	Rupees One Thousand Five Hundred Seventy Eight and Paise Eighty One Only	
E4	KSRB 4-1.4 : Providing and laying in position plain cement concrete of Mix 1:5:10 with OPC @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.86cum and fine aggregates @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	86.25	6370.57	Rupees Six Thousand Three Hundred Seventy and Paise Fifty Seven Only	

For Benaka Developers And Projects Pvt. Ltd.


NARAHARI. D
 Managing Director
 Signature of Contractor


 Executive Engineer
 Byatarayanapura Division
 B.B.M.P